AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An injection molding apparatus for seal member in which

a molten resin is injected by way of a gate into a cavity formed by mating a moving mold with a stationary mold;

the injected resin is cut by means of a gate seal pin provided on the moving side while sealing the gate;

and

a seal member left on the movable side is ejected by means of a plurality of ejector pins provided on the moving side under a condition of opening said moving mold from said stationary mold, thereby molding the seal member;

the injection molding apparatus being provided with defined convex portions on said moving mold and the defined convex portions forming recesses of wall thickness at portions not serving as sealing faces of the seal member,

wherein at an ejecting position, the ejector pins are adapted to contact the portions not serving as sealing faces of the seal member, and

wherein the seal member is adapted to be used in valve timing adjustment devices.

2. (canceled).

3. (currently amended): The injection molding apparatus for seal member according to claim ~~2~~1, wherein said gate seal pin performs a function of ejecting the seal member left on

the moving side in cooperation with said ejector pins, and an ejecting position of said gate seal pin is adapted to contact portions not serving as sealing faces of the seal member.

4. (canceled).

5. (currently amended): An injection molding apparatus for seal member in which

a molten resin is injected by way of a gate into a cavity formed by mating a moving mold with a stationary mold;

the injected resin is cut by means of a gate seal pin provided on the moving side while sealing the gate; and

a seal member left on the movable side is ejected by means of a plurality of ejector pins provided on the moving side under a condition of opening said moving mold from said stationary mold, thereby molding the seal member;

the injection molding apparatus being provided with defined concave portions on said moving mold and the defined concave portions forming ribs at portions not serving as sealing faces of the seal member,

wherein at an ejecting position, the ejector pins are adapted to contact portions not serving as sealing faces of the seal member, and

wherein the seal member is adapted to be used in valve timing adjustment devices.

6. (canceled).

7. (currently amended): The injection molding apparatus for seal member according to claim ~~6~~5, wherein said gate seal pin performs a function of an ejecting the seal member left on the moving side in cooperation with said ejector pins, and ejecting position of said gate seal pin is adapted to contact portions not serving as sealing faces of the seal member.

8. (canceled).

9. (previously presented): The injection molding apparatus for the seal member according to claim 1, wherein in said stationary mold, said cavity forming all the sealing faces of the seal member is formed on a mold-carrying face portion thereof.

10. (previously presented): The injection molding apparatus for the seal member according to claim 5, wherein in said stationary mold, said cavity forming all the sealing faces of the seal member is formed on a mold-carrying face portion thereof.

11. (previously presented): The injection molding apparatus for the seal member according to claim 1, wherein said recesses substantially increase friction between the seal member and the moving side.

12. (previously presented): The injection molding apparatus for the seal member according to claim 5, wherein the defined concave portions substantially increase friction between the seal member and the moving side.